

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

COMPLETE LISTING OF THE CLAIMS:

Claims 1-17 : (Canceled)

Claim 18 : (Currently Amended) A camera, comprising: a sensor for receiving radiation representative of a scene; filter means for attenuating the radiation reaching different spatial regions of the sensor to different extents; and decoding means for combining contributions to an output of the sensor from the different spatial regions, to produce a camera output representative of lines of an image of the scene of extended dynamic range, the filter means comprising stripes orientated so that lines of the stripes are inclined to the lines of the image, the decoding means being operative for removing a pattern of the stripes from the output of the sensor.

Claim 19 : (Canceled)

Claim 20 : (Previously Presented) The camera as claimed in claim 18, in which the stripes are inclined at an angle within a range of $\pm 45^\circ$ to $\pm 80^\circ$ to the lines of the image.

Claim 21 : (Previously Presented) The camera as claimed in claim 20, in which the stripes are at approximately $\pm 45^\circ$ to the lines of the image.

Claim 22 : (Previously Presented) The camera as claimed in claim 18, in which the stripes are neutral density stripes.

Claim 23 : (Previously Presented) The camera as claimed in claim 18, in which the stripes are opaque.

Claim 24 : (Previously Presented) The camera as claimed in claim 18, in which the stripes are colored.

Claim 25 : (Previously Presented) The camera as claimed in claim 18, in which regions between the stripes are polarizing.

Claim 26 : (Previously Presented) The camera as claimed in claim 18, in which regions between the stripes are transparent.

Claim 27 : (Previously Presented) The camera as claimed in claim 18, in which there is a plurality of sets of stripes, each having different attenuating properties and being inclined at different angles to the lines of the image.

Claim 28 : (Previously Presented) The camera as claimed in claim 18, in which the decoding means is operative for combining successive lines of the image to reinforce the image and cancel the contributions to an intensity of the stripes.

Claim 29 : (Previously Presented) The camera as claimed in claim 18, in which the decoding means is operative for combining successive lines of the image to cancel the contributions to an intensity of the image and reinforce an intensity of the stripes.

Claim 30 : (Previously Presented) The camera as claimed in claim 28, in which the decoding means comprises at least one comb filter.

Claim 31 : (Previously Presented) The camera as claimed in claim 18, in which the sensor is a charge coupled device.

Claim 32 : (Previously Presented) The camera as claimed in claim 18, in which the sensor includes an image intensifier.

Claim 33 : (Currently Amended) A camera, comprising: a sensor for receiving radiation representative of a scene; filter means for attenuating the radiation reaching different spatial regions of the sensor to different extents; and decoding means for combining contributions to an output of the sensor from the different spatial regions, to produce a camera output representative of lines of an image of the scene of expanded contrast, the filter means comprising stripes orientated so that lines of the stripes are inclined to the lines of the image, the decoding means being operative for removing a pattern of the stripes from the output of the sensor.